52/172

Aug. 7, 1951 L. E. SCHNEE 2,563,378

WINDOW CASING

Filed July 16, 1948

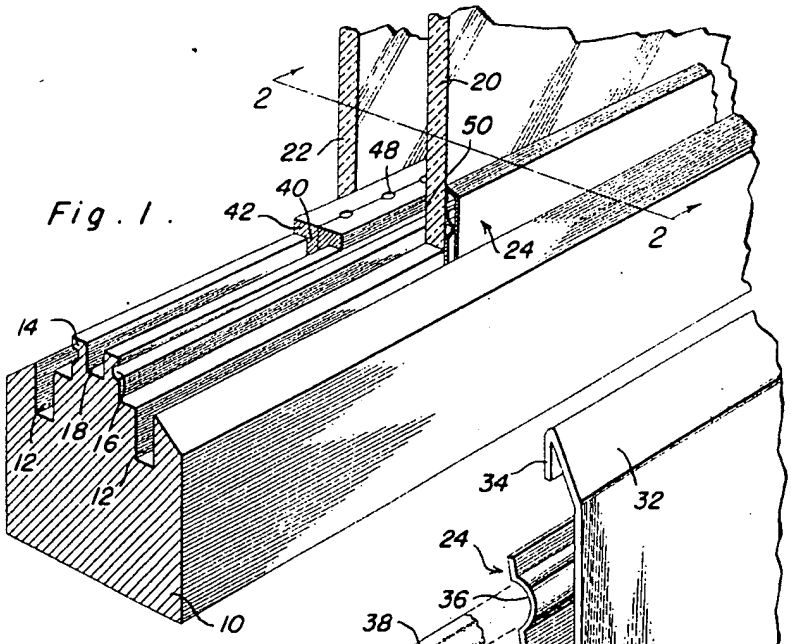

Fig. 1.

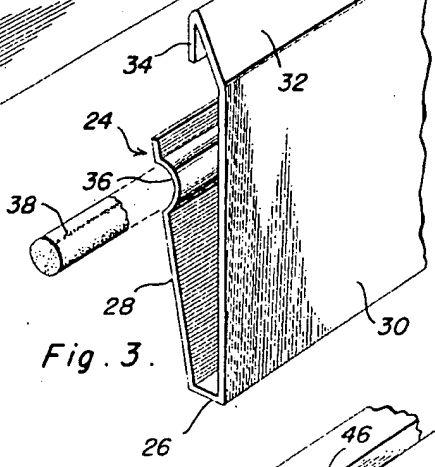

Fig. 3.

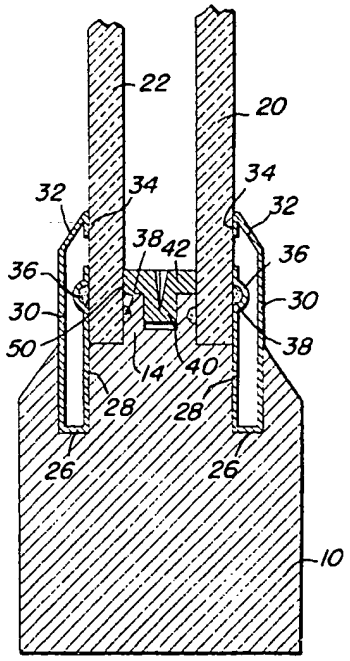

Fig. 2.

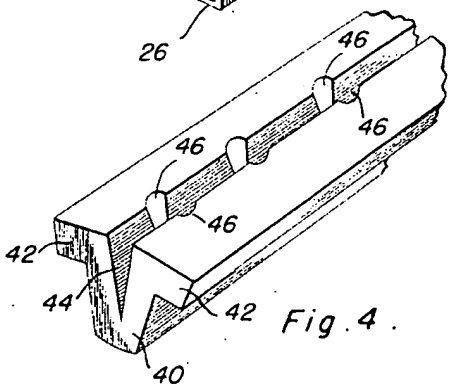

Fig. 4.

Leo E. Schnee
INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jackson
Attorneys

Patented Aug. 7, 1951 2,563,378

UNITED STATES PATENT OFFICE

2,563,378

WINDOW CASING

Leo E. Schnee, Fort Wayne, Ind.

Application July 16, 1948, Serial No. 39,072

2 Claims. (Cl. 20—40.5)

1

This invention relates to an improved window casing and has for its primary object the provision of a support or sash upon which can be removably mounted a pair of window panes.

Another object of this invention is to provide a window casing, preferably constructed of light weight metal such as aluminum and the like, for supporting a pair of window panes and means between the panes for retaining a moisture absorbent such as calcium chloride, etc. The moisture absorbing means also constitutes an additional support for the window panes.

Yet another object of the invention is to provide a window casing for removably securing window panes in sealed association with the same by means of novel flexible brackets frictionally retained in longitudinal grooves in said casing.

These, together with various ancillary objects and features of the invention which will later become apparent as the following description proceeds, are attained by the device, a preferred embodiment of which has been illustrated by way of example only in the accompanying drawings, wherein—

Figure 1 is a perspective view of the window casing, some parts being shown in section;

Figure 2 is a transverse sectional view taken substantially on the plane of line 2—2 of Figure 1;

Figure 3 is a perspective view of one of the window securing brackets; and

Figure 4 is a perspective view of the brace for retaining a moisture absorbent.

Specific reference is now made to the drawings. In the several views in the accompanying drawings and in the following specification reference characters indicate corresponding elements throughout.

Indicated at 10 is a support or block of generally oblong shape which is provided with a pair of spaced parallel longitudinally extending grooves 12. The support is further provided with a recessed portion 14, the sides of which have longitudinally extending, preferably semi-circular, indentations 16. The recessed portion 14 carries a longitudinally extending channel 18.

A pair of window panes 20 and 22 are positioned on the block 10 abutting the side edges of recessed portion 14 and are removably retained thereon in a manner to be described hereinafter.

Brackets 24 are provided each of which is preferably fabricated of a single piece of flexible light weight metal such as aluminum and which consists of a longitudinally extending base member 26 which carries an angulated inner wall 28 and

2

an outer wall 30 spaced therefrom which outer wall has an integral angulated lip 32 and downwardly extending arm 34.

The brackets are crimped into the grooves 12 with the inner walls 28 and the arms 34 abutting the outer surfaces of the window panes 20 as shown in Figure 1. To secure the brackets to the panes, longitudinally extending recesses 36 are provided in the walls 28 adjacent their top edge for retaining a conventional caulking compound 38. This caulking compound is also used to fill the indentations 16 whereby the inner surfaces of the panes are secured to the recess portion 14 of the support 10 as shown more clearly in Figure 2.

To further secure the panes to the support and to retain a moisture absorbing compound between the panes, the following means is provided. A flexible metallic longitudinally extending V-shaped bracket 40 is provided having transverse arms 42 and a V-shaped groove 44 therebetween. A plurality of longitudinally spaced opposed vertical recesses 46 opening into the V-shaped groove are formed in the bracket 40. When the bracket 40 is pressed into the channel 18 it is squeezed together to assume the form shown in Figure 1 forming a plurality of pockets 48 for retaining the moisture absorbent therein. The side edges of the arms 42 abut the inner surfaces of the window panes as at 50.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A window casing comprising a support having a pair of spaced parallel longitudinal grooves and a longitudinal channel between said grooves, means in said grooves for removably retaining a pair of window panes on said support, a longitudinally extending flexible brace retained in said channel, said brace having diverging leg portions defining a substantially V-shaped, aligned recesses in said leg portions defining a plurality of longitudinally spaced pockets in said brace

when said brace is positioned between said panes, and moisture absorbent material in said pockets.

2. A window casing comprising a support having a pair of spaced parallel longitudinal grooves and a longitudinal channel between said grooves, means in said grooves for removably retaining a pair of window panes on said support, a longitudinally extending flexible brace retained in said channel, said brace having diverging leg portions defining a substantially V-shaped, aligned recesses in said leg portions defining a plurality of longitudinally spaced pockets in said brace when said brace is positioned between said panes, moisture absorbent material in said pockets, and transversely extending arms carried by said brace

overlying said support, the edges of said arms abutting the inner surfaces of said panes.

LEO E. SCHNEE.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
539,975	Carey	May 28, 1895
2,174,279	Toney	Sept. 26, 1939
2,179,868	Nelson	Nov. 14, 1939
2,285,003	Axe	June 2, 1942